



AGENDA

EAST ORANGE COUNTY WATER DISTRICT ENGINEERING AND OPERATIONS COMMITTEE MEETING

**Thursday, September 8, 2022
185 N. McPherson Road, Orange, California
4:30 P.M.**

1. Call meeting to order
2. Public communications to the Committee
3. Additional items arising after posting of agenda

Informational Items

4. ID1 CRA Project Update
5. RZ East & West Well Pumping Levels – Handout
6. RZ System Status and Water Use – Handout
7. WZ System Status and Water Use – Handout
8. Sewer System Status and Spill Report – No sewer spills in June - August
9. Sewer Development Permits

Action Item

10. Sewer Specifications Adoption
Recommendation: Board adoption of the revised Design, Construction and Repair Standards for Sanitary Sewers.
11. Adjournment

NOTE: On March 4, 2020, California Governor Newsom declared a State of Emergency in California as a result of the COVID-19 Pandemic, for which State and Orange County Public Health Officials have continued to recommend measures to promote social distancing. Pursuant to Government Code Section 54953, and corresponding findings of the Board that currently remain in effect (1) members of the Board of Directors and public may elect to attend this Regular Meeting by telephone or video conference due to concerns relative to COVID-10 Coronavirus and avoidance of public gatherings, and (2) **THERE WILL BE NO PUBLIC LOCATION TO ATTEND THIS MEETING IN PERSON.** The public may attend either telephonically by calling into, or by videoconference by logging into, the meeting at:

To Access the Meeting by Computer/Device:

<https://us02web.zoom.us/j/86090329135?pwd=cHRpakxVYUhlYnBwcXUxbGdzQzF2UT09>
or short link <https://bit.ly/3D6VxWH>

To Access the meeting by Phone:

Dial: (669) 900-6833

Meeting ID: 860 9032 9135 Passcode: 604592

Members of the public shall be permitted to speak live at the meeting as to both agendized and non-agendized items, as reflected in the agenda, utilizing the above-referenced internet or telephone options. Those wishing to speak may either submit a speaker request via the on-line chat feature before an item is heard, or by verbally indicating their desire to comment at the time the item is called. Additionally, members of the public may, but are not required to, e-mail comments to Sylvia Prado at sprado@eocwd.com up to 30 minutes before the Committee meeting, and such comments shall be provided to the Committee. Members of the public wishing to attend the meeting that require other reasonable modifications or accommodation to facilitate such attendance should contact Ms. Prado at (714) 538-5815 or the e-mail provided as soon as feasible before the meeting to make such request.

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Engineering & Operations Committee in connection with a matter subject to discussion or consideration at an open meeting of the Engineering & Operations Committee are available for public inspection in the District's office, 185 McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available via phone or email request to Ms. Sylvia Prado at (714) 538-5815 or sprado@eocwd.com.



MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: ID1 CRA PROJECT UPDATE
DATE: AUGUST 8, 2022

Background

At the June 16, 2022 meeting, the Board awarded ID1 CRA Project Construction Package #2 to T.E. Roberts, Inc. (T.E. Roberts). Construction Package #1 was previously completed and Construction Package #2 will install new sewer main crossings at the I5 Freeway and Fallen Leaf (below the flood control channel and railroad) as well as sewer main replacements at Crawford Canyon, 6th Street, and Browning south of the I5 Freeway. T.E. Roberts has completed the Crawford Canyon segment of Construction Package #2 and has mobilized to 6th Street. The project is shown on the attached location map. Final project completion is expected in April of 2023.

Financial Impact

Funds have been budgeted in Account #7302120 for the ID1 CRA Project.

ID1 CRA Project Cost Summary	
Design	\$ 2,350,000
Construction – Package 1	\$ 4,551,000
Construction – Package 2	\$ 7,554,000
CM&I	\$ 1,480,000
Contingency	\$ 1,000,000
Total	\$16,935,000

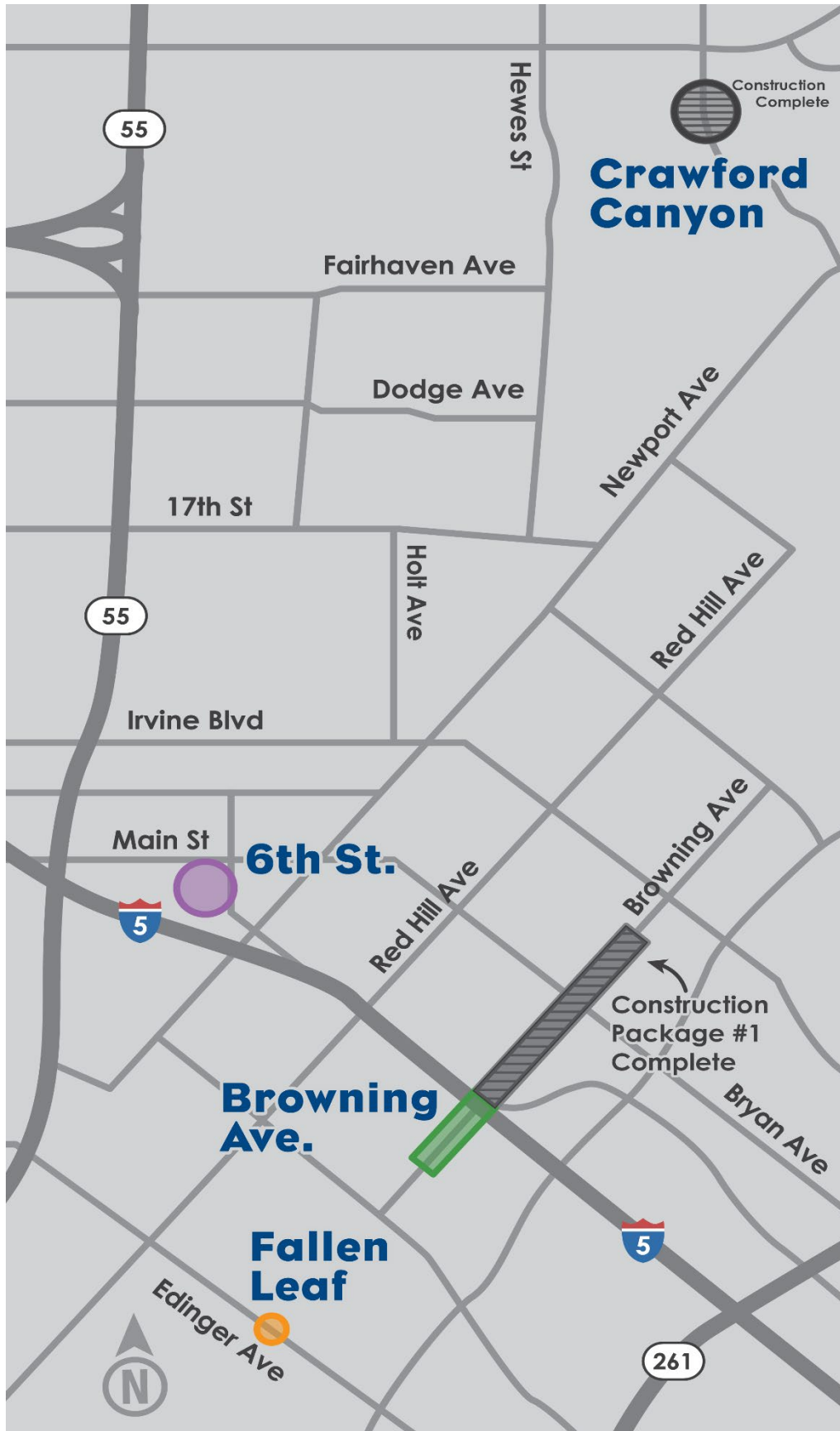
Recommendation

Information only.

Attachment(s):

Location Map

ID1 CRA PROJECT
LOCATION MAP



MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: SEWER PERMIT REPORT
DATE SEPTEMBER 8, 2022

Background

This memo serves as cover for the Sewer Permit Reports for June to August.

Recommendation

Information Only

Attachment(s)

Sewer Permit Reports

June 2022 - Sewer Connection & Wholesale Connection Permits

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Capacity Chage Fees	Inspection Fees	Total Sewer	Wholesale Connection Meter Fees	Water District	Total
1922 Skyline Dr. Santa Ana, CA 92705	SFR ADU	21-050	502-432-09	6/22/2022	\$ 1,332.14	\$ 262.95	\$ 1,600.00	\$ 3,195.09	\$ -	GSWC	\$ 3,195.09
14002 Newport Ave. Tustin, CA 92780	Commercial	22-022	432-074-06	6/30/2022	\$ -	\$ -	\$ -	\$ -	\$ 3,173.00	Tustin	\$ 3,173.00
14022 Matryce Way, Tustin, CA 92780	ADU	22-026	401-402-09	6/22/2022	\$ 1,083.67	\$ 490.77	\$ -	\$ 1,574.44	\$ 2,221.00	Tustin	\$ 3,795.44
13551 Malena Dr. Tustin, CA 92780	SFR	22-057	395-272-04	6/3/2022	\$ 2,084.00	\$ -	\$ -	\$ 2,084.00	\$ -	Tustin	\$ 2,084.00
12172 Ranchwood Rd. Santa Ana, CA 92705	SFR	22-060	104-445-05	6/23/2022	\$ 1,068.00	\$ -	\$ -	\$ 1,068.00	\$ -	Tustin	\$ 1,068.00
14282 Cameron Ln, Santa Ana, CA 92705	ADU	22-062	401-191-09	6/10/2022	\$ 1,398.69	\$ 471.18	\$ -	\$ 1,869.87	\$ 634.00	Tustin	\$ 2,503.87
12802 Dean St. Santa Ana, CA 92705	SFR ADU	22-065	103-213-14	6/27/2022	\$ 1,269.50	\$ 975.41	\$ -	\$ 2,244.91	\$ -	Tustin	\$ 2,244.91
Totals					\$ 8,236.00	\$ 2,200.31	\$ 1,600.00	\$ 12,036.31	\$ 6,028.00		\$ 18,064.31

June 2022 - In the Pipeline

Connection Address	Type of Development	Permit No	APN	Water District	Permit Status
9922 Newport Blvd, Santa Ana, 92705	New Construction - 16 SFRs	21-56 to 21-71	VTM No. 18062	GSWC	Pending resolution of design
9801 Brier Lane, Santa Ana, 92705	New Construction - 5 SFRs	21-72 to 21-75	503-321-01, 503-321-02	GSWC	Pending customer payment and signature
9751 Brier Lane, Santa Ana, 92705	Septic Conversion	21-77	503-321-16	GSWC	Pending resolution of design
9761 Brier Lane, Santa Ana, 92705	Septic Conversion	21-78	503-321-14	GSWC	Pending resolution of design
1941 El Camino Real, Tustin, CA 92780	MFR	21-99	500-712-12	Tustin	Pending customer payment and signature
17802 Irvine Blvd. Tustin, CA 92780	Commercial	21-124	401-414-13	Tustin	Pending submittal of plans
S. Crawford Canyon Rd. & Newport Ave.	Crawford Canyon Park	N/A	503-382-04	EOCWD	Pending customer payment and signature
14022 Matryce Way, Tustin, CA 92780	ADU	22-026	401-402-09	Tustin	Pending revised plans
12852 Chaplet Pl. Santa Ana, CA 92705	SFR	22-045	103-414-06	Tustin	Pending customer payment and signature
13621 Green Valley Dr. Tustin, CA 92780	308	22-048	500-081-25	Tustin	Pending plans
15061 Tustin Village Way, Tusitn, CA 92780	MFR - ADU	22-050	402-291-08	Tustin	Pending customer response
12328 Circula Panorama, Santa Ana, CA 92705	SFR	22-052	094-212-38	EOCWD	Pending revised plans
14212 Dall Ln. Tustin, CA 92780	SFR	22-054	094-212-38	Tustin	Pending customer response
14285 Shadybrook Dr. Tustin, CA 92780	SFR	22-055	432-291-38	Tustin	Pending revised plans
1401 Smokewood Dr. Santa Ana, CA 92705	ADU	22-056	502-051-15	GSWC	Pending customer response
13551 Malena Dr. Tustin, CA 92780	SFR	22-057	395-272-04	Tustin	Pending customer response
178 N. C. St. Tustin, CA 92780	ADU	22-058	401-531-25	Tustin	Pending revised plans
18831 & 18835 Barry Lane, Santa Ana, CA 92705	ADU	22-059	393-011-11	Tustin	Pending revised plans
12172 Ranchwood Rd. Santa Ana, CA 92705	SFR	22-060	104-445-05	Tustin	Pending customer payment and signature
13752 Sanderstead Rd. Santa Ana, CA 92705	ADU	22-063	395-102-03	Tustin	Pending customer payment and signature
12572 Willis Ln. Santa Ana, CA 92705	ADU	22-064	393-111-18	Tustin	Pending customer payment and signature
19031 Fowler Ave. Santa Ana, CA 92705	SFR	22-066	094-192-70	EOCWD	Pending customer payment and signature
19051 Fowler Ave., Santa Ana, 92705	SFR	22-067	094-192-71	EOCWD	Pending customer payment and signature
19071 Fowler Ave. Santa Ana, CA 92705	SFR	22-068	094-192-67	EOCWD	Pending customer payment and signature
19091 Fowler Ave. Santa Ana, CA 92705	SFR	22-069	094-192-68	EOCWD	Pending customer payment and signature
11651 Marble Arch Dr. Santa Ana, CA 92705	Septic Conversion; ADU	22-071	502-231-07	Tustin	Pending plans
1472 S. E. Skyline Dr. Santa Ana, CA 92705	ADU	22-073	103-322-22	GSWC	Pending revised plans
1251 Foothill Blvd. Santa Ana, CA 92705	Septic Conversion	22-074	502-271-03	Tustin	Pending review

July 2022 - Sewer Connection & Wholesale Connection Permits

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Capacity Chage Fees	Inspection Fees	Total Sewer	Wholesale Connection Meter Fees	Water District	Total
1941 El Camino Real, Tustin, CA 92780	Multifamily	21-099	500-712-12	7/26/2022	\$ 25,202.90	\$ -	\$ -	\$ 25,202.90	\$ 26,648.00	Tustin	\$ 51,850.90
13222 Wickshire Ln, Tustin, CA 92782	SFR	22-008	500-011-15	7/21/2022	\$ -	\$ -	\$ -	\$ -	\$ -	Tustin	\$ -
14212 Dall Ln. Tustin, CA 92780	SFR	22-054	094-212-38	7/14/2022	\$ 1,545.12	\$ 709.81	\$ -	\$ 2,254.93	\$ -	Tustin	\$ 2,254.93
18831 & 18835 Barry Lane, Santa Ana, CA 92705	ADU	22-059	393-011-11	7/28/2022	\$ 1,670.40	\$ 1,445.97	\$ 800.00	\$ 3,916.37	\$ -	Tustin	\$ 3,916.37
18311 Gramercy Dr. Santa Ana, CA 92705	SFR ADU	22-061	395-091-06	7/17/2022	\$ 256.82	\$ 133.72	\$ -	\$ 390.54	\$ -	Tustin	\$ 390.54
13752 Sanderstead Rd. Santa Ana, CA 92705	ADU	22-063	395-102-03	7/28/2022	\$ 1,121.26	\$ 579.47	\$ -	\$ 1,700.73	\$ -	Tustin	\$ 1,700.73
1771 Windsor Ln. Santa Ana, CA 92705	SFR	22-072	103-512-14	7/13/2022	\$ 1,016.00	\$ -	\$ -	\$ 1,016.00	\$ -	Tustin	\$ 1,016.00
11392 Arroyo Ave. Santa Ana, CA 92705	SFR	22-076	502-281-03	7/20/2022	\$ 1,087.00	\$ -	\$ -	\$ 1,087.00	\$ -	GSWC	\$ 1,087.00
1262 Flaminian Way, Santa Ana, CA 92705	Septic Conversion	22-078	502-233-04	7/29/2022	\$ 6,806.00	\$ 2,469.00	\$ 800.00	\$ 10,075.00	\$ -	Tustin	\$ 10,075.00
Totals					\$ 38,705.50	\$ 5,337.97	\$ 1,600.00	\$ 45,643.47	\$ 26,648.00		\$ 72,291.47

July 2022 - In the Pipeline

Connection Address	Type of Development	Permit No	APN	Water District	Permit Status
9922 Newport Blvd, Santa Ana, 92705	New Construction - 16 SFRs	21-56 to 21-71	VTM No. 18062	GSWC	Pending resolution of design
9801 Brier Lane, Santa Ana, 92705	New Construction - 5 SFRs	21-72 to 21-75	503-321-01, 503-321-02	GSWC	Pending customer payment and signature
9751 Brier Lane, Santa Ana, 92705	Septic Conversion	21-77	503-321-16	GSWC	Pending resolution of design
9761 Brier Lane, Santa Ana, 92705	Septic Conversion	21-78	503-321-14	GSWC	Pending resolution of design
17802 Irvine Blvd. Tustin, CA 92780	Commercial	21-124	401-414-13	Tustin	Pending submittal of plans
S. Crawford Canyon Rd. & Newport Ave.	Crawford Canyon Park	N/A	503-382-04	EOCWD	Pending customer payment and signature
13621 Green Valley Dr. Tustin, CA 92780	MFR - ADU	22-048	500-081-25	Tustin	Pending plans
12328 Circula Panorama, Santa Ana, CA 92705	SFR	22-052	094-212-38	EOCWD	Pending revised plans
14285 Shadybrook Dr. Tustin, CA 92780	SFR	22-055	432-291-38	Tustin	Pending revised plans
1401 Smokewood Dr. Santa Ana, CA 92705	ADU	22-056	502-051-15	GSWC	Pending customer response
12572 Willis Ln. Santa Ana, CA 92705	ADU	22-064	393-111-18	Tustin	Pending customer payment and signature
19031 Fowler Ave. Santa Ana, CA 92705	SFR	22-066	094-192-70	EOCWD	Pending customer payment and signature
19051 Fowler Ave., Santa Ana, 92705	SFR	22-067	094-192-71	EOCWD	Pending customer payment and signature
19071 Fowler Ave. Santa Ana, CA 92705	SFR	22-068	094-192-67	EOCWD	Pending customer payment and signature
19091 Fowler Ave. Santa Ana, CA 92705	SFR	22-069	094-192-68	EOCWD	Pending customer payment and signature
11651 Marble Arch Dr. Santa Ana, CA 92705	Septic Conversion; ADU	22-071	502-231-07	Tustin	Pending plans
1472 S. E. Skyline Dr. Santa Ana, CA 92705	ADU	22-073	103-322-22	GSWC	Pending revised plans
11042 Wickford Dr. Santa Ana, CA 92705	SFR	22-075	503522-03	Tustin	Pending revised plans
14491 Oxford Ave. Tustin, CA 92780	ADU	22-077	432-303-16	Tustin	Pending customer payment and signature

August 2022 - Sewer Connection & Wholesale Connection Permits

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCS) Fees	Local Capacity Fees	Inspection Fees	Total Sewer	Wholesale Connection Meter Fees	Water District	Total
1538 Jade St. Santa Ana, CA 92705	SFR	21-072	503-321-20	8/16/2022	\$ 7,430.00	\$ 2,469.00	\$ -	\$ 9,899.00	\$ 1,586.00	GSWC	\$ 11,485.00
1555 Jade St. Santa Ana, CA 92705	SFR	21-073	503-321-19	8/16/2022	\$ 5,346.00	\$ 2,469.00	\$ -	\$ 7,815.00	\$ 1,586.00	GSWC	\$ 9,401.00
1558 Jade St. Santa Ana, CA 92705	SFR	21-074	503-321-21	8/16/2022	\$ 7,430.00	\$ 2,469.00	\$ -	\$ 9,899.00	\$ 1,586.00	GSWC	\$ 11,485.00
1578 Jade St. Santa Ana, CA 92705	SFR	21-075	503-321-22	8/16/2022	\$ 7,430.00	\$ 2,469.00	\$ -	\$ 9,899.00	\$ 1,586.00	GSWC	\$ 11,485.00
1579 Jade St. Santa Ana, CA 92705	SFR	21-076	502-321-18	8/16/2022	\$ 7,430.00	\$ 2,469.00	\$ -	\$ 9,899.00	\$ 1,586.00	GSWC	\$ 11,485.00
685 W. Main St. Tustin, CA 92780	ADU	21-120	401-552-11	8/31/2022	\$ 1,340.40	\$ 1,242.79	\$ -	\$ 2,583.19	\$ 2,221.00	Tustin	\$ 4,804.19
17245 Seventeenth St. Tustin, CA 92780	Commercial	22-020	395-142-08	8/19/2022	\$ -	\$ -	\$ -	\$ -	\$ -	Tustin	\$ -
14285 Shadybrook Dr. Tustin, CA 92780	SFR	22-055	432-291-38	8/24/2022	\$ 1,787.20	\$ 1,396.89	\$ -	\$ 3,184.09	\$ 1,586.00	Tustin	\$ 4,770.09
1251 Foothill Blvd. Santa Ana, CA 92705	Septic Conversion	22-074	502-271-03	8/2/2022	\$ 6,362.00	\$ 2,469.00	\$ 800.00	\$ 9,631.00	\$ 1,587.00	Tustin	\$ 11,218.00
11042 Wickford Dr. Santa Ana, CA 92705	SFR	22-075	503522-03	8/12/2022	\$ 1,143.00	\$ -	\$ -	\$ 1,143.00	\$ -	GSWC	\$ 1,143.00
18951 Silver Maple Way. Santa Ana, CA 92705	SFR	22-080	395-071-24	8/22/2022	\$ -	\$ -	\$ -	\$ -	\$ -	Tustin	\$ -
1472 S. E. Skyline Dr. Santa Ana, CA 92705	ADU	22-084	103-322-22	8/29/2022	\$ 1,769.33	\$ 667.39	\$ 800.00	\$ 3,236.72	\$ -	Tustin	\$ 3,236.72
Totals					\$ 47,467.93	\$ 18,121.07	\$ 1,600.00	\$ 67,189.00	\$ 13,324.00		\$ 80,513.00

August 2022 - In the Pipeline

Connection Address	Type of Development	Permit No	APN	Water District	Permit Status
9922 Newport Blvd, Santa Ana, 92705	New Construction - 16 SFRs	21-56 to 21-71	VTM No. 18062	GSWC	Pending resolution of design
9751 Brier Lane, Santa Ana, 92705	Septic Conversion	21-77	503-321-16	GSWC	Pending resolution of design
9761 Brier Lane, Santa Ana, 92705	Septic Conversion	21-78	503-321-14	GSWC	Pending resolution of design
17802 Irvine Blvd. Tustin, CA 92780	Commercial	21-124	401-414-13	Tustin	Pending submittal of plans
S. Crawford Canyon Rd. & Newport Ave.	Crawford Canyon Park	N/A	503-382-04	EOCWD	Pending customer payment and signature
13621 Green Valley Dr. Tustin, CA 92780	MFR - ADU	22-048	500-081-25	Tustin	Pending plans
12328 Circula Panorama, Santa Ana, CA 92705	SFR	22-052	094-212-38	EOCWD	Pending revised plans
1401 Smokewood Dr. Santa Ana, CA 92705	ADU	22-056	502-051-15	GSWC	Pending customer response
12572 Willis Ln. Santa Ana, CA 92705	ADU	22-064	393-111-18	Tustin	Pending customer payment and signature
19031 Fowler Ave. Santa Ana, CA 92705	SFR	22-066	094-192-70	EOCWD	Pending customer payment and signature
19051 Fowler Ave., Santa Ana, 92705	SFR	22-067	094-192-71	EOCWD	Pending customer payment and signature
19071 Fowler Ave. Santa Ana, CA 92705	SFR	22-068	094-192-67	EOCWD	Pending customer payment and signature
19091 Fowler Ave. Santa Ana, CA 92705	SFR	22-069	094-192-68	EOCWD	Pending customer payment and signature
11651 Marble Arch Dr. Santa Ana, CA 92705	Septic Conversion; ADU	22-071	502-231-07	Tustin	Pending plans
14491 Oxford Ave. Tustin, CA 92780	ADU	22-077	432-303-16	Tustin	Pending customer payment and signature
1401 Smokewood Dr. Santa Ana, CA 92705	ADU	22-079	502-051-15	GSWC	Pending revised plans
13757 - 13807 Red Hill Ave. Tustin, CA 92780	SFR & MFR	22-081	500-141-09	Tustin	Pending revised plans
13757 - 13807 Red Hill Ave. Tustin, CA 92780	SFR & MFR	22-082	500-141-10	Tustin	Pending revised plans
18282 Gramercy Dr. Santa Ana, CA 92705	ADU	22-083	395-092-03	Tustin	Pending customer response
2051 & 2071 Salt Air Dr. Santa Ana, CA 92705	ADU	22-085	104-632-01	Tustin	Pending revised plans
10402 Brightwood Dr. Santa Ana, CA 92705	ADU	22-086	104-632-01	GSWC	Pending revised plans
12972 Keith Place, Santa Ana, CA 92705	ADU	22-087	103-341-25	Tustin	Pending revised plans
13852 Dall Ln. Santa Ana, CA 92705	ADU	22-088	395-411-04	Tustin	Under review
14031 Woodlawn Ave. Tustin, CA 92780	ADU	22-089	432-052-15	Tustin	Pending revised plans

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: ADOPTION OF REVISED DESIGN, CONSTRUCTION AND REPAIR STANDARDS FOR SANITARY SEWERS
DATE: SEPTEMBER 8, 2022

Background

Standardized sewer specifications are required as part of the SSMP and they are important to: 1) ensure adequate hydraulic capacity so that pipelines don't overflow in dry or wet weather; 2) ensure that the quality of the materials installed enhance life expectancy and; 3) lower the cost of operations and maintenance of the system with standardized materials.

The District's initial Design, Construction and Repair Standards for Sanitary Sewers (Standards) were adopted from Orange County Sanitation District's standards with the acquisition of Sewer Area 7. A minor revision was completed in 2019 for the ID1 CRA Project #1 and to change the plan check fees to make them consistent with the water Standard Specifications.

In January of this year, staff retained MKN and Associates to review and update the Standards, and a complete revision of the Standards was completed with input from staff. Editorial errors were corrected, new materials were added, and current industry best practices and standards were implemented. Also, the option to waive plan check fees and a second inspection fee tier were added.

Staff is recommending the revised standards for adoption. The revised standards are posted on the District's website for review.

Recommendation

That the Committee recommend the Board adopt the revised Design, Construction and Repair Standards for Sanitary Sewers.

Attachment(s)

The revised Standards may be viewed on the District's website at:

https://www.eocwd.com/files/ugd/5317eb_3ce1f64ac0b742f1844a7bdf35137c0b.pdf